

Power (Ignition) Switch

Performing the following operations when carrying the electronic key on your person starts the hybrid system or changes power switch modes.

■ Starting the hybrid system



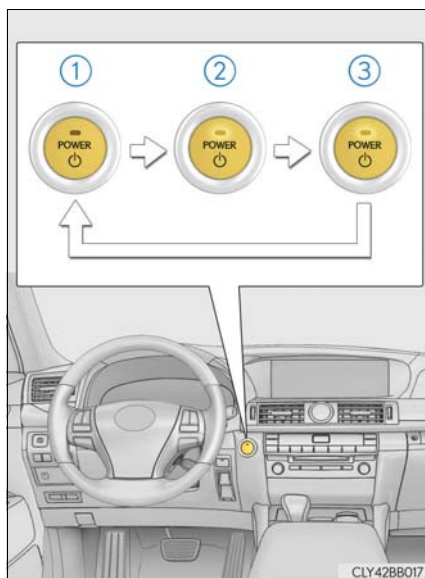
- 1** Turn the power switch to ON mode and check that the parking brake is set.
- 2** Check that the shift lever is set in P.
- 3** Firmly depress the brake pedal.
The power switch indicator will turn green. If the indicator does not turn green, the hybrid system cannot be started.
- 4** Press the power switch.
After a while, the "READY" indicator comes on with a beep sound.
The vehicle can move when the "READY" indicator is on even if the engine is stopped.
Continue depressing the brake pedal until the hybrid system is completely started.
The hybrid system can be started from any power switch mode.
- 5** Check that the "READY" indicator is on.
The vehicle will not move when the "READY" indicator is off.

■ Stopping the hybrid system

- 1** Stop the vehicle.
- 2** Shift the shift lever to P.
- 3** Set the parking brake.
- 4** Press the power switch.
- 5** Release the brake pedal and check that the indicator on the power switch is off.

■ Changing power switch modes

Modes can be changed by pressing the power switch with the brake pedal released. (The mode changes each time the switch is pressed.)



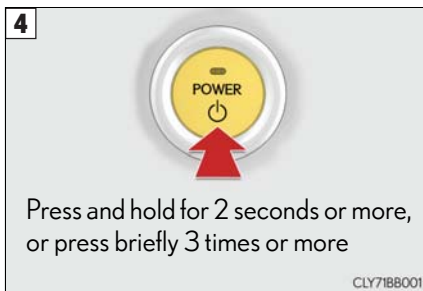
- ① Off*
The emergency flashers can be used.
- ② ACCESSORY mode
Some electrical components such as the audio system can be used.
The power switch indicator turns amber.
- ③ ON mode
All electrical components can be used.
The power switch indicator turns amber.

*: If the shift lever is in a position other than P when turning off the hybrid system, the power switch will be turned to ACCESSORY mode, not to off.

■ If your vehicle has to be stopped in an emergency

Only in an emergency, such as if it becomes impossible to stop the vehicle in the normal way, stop the vehicle using the following procedure:

- 1** Steadily step on the brake pedal with both feet and firmly depress it.
Do not pump the brake pedal repeatedly as this will increase the effort required to slow the vehicle.
- 2** Shift the shift lever to N.
 - ▶ If the shift lever is shifted to N
- 3** After slowing down, stop the vehicle in a safe place by the road.
- 4** Stop the hybrid system.
 - ▶ If the shift lever cannot be shifted to N
- 3** Keep depressing the brake pedal with both feet to reduce vehicle speed as much as possible.

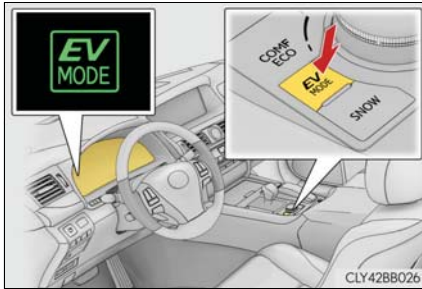


To stop the hybrid system, press and hold the power switch for 2 consecutive seconds or more, or press it briefly 3 times or more in succession.

- 5** Stop the vehicle in a safe place by the road.

EV Drive Mode

In EV drive mode the electric motor (traction motor), powered by the hybrid battery (traction battery), is used to drive the vehicle.



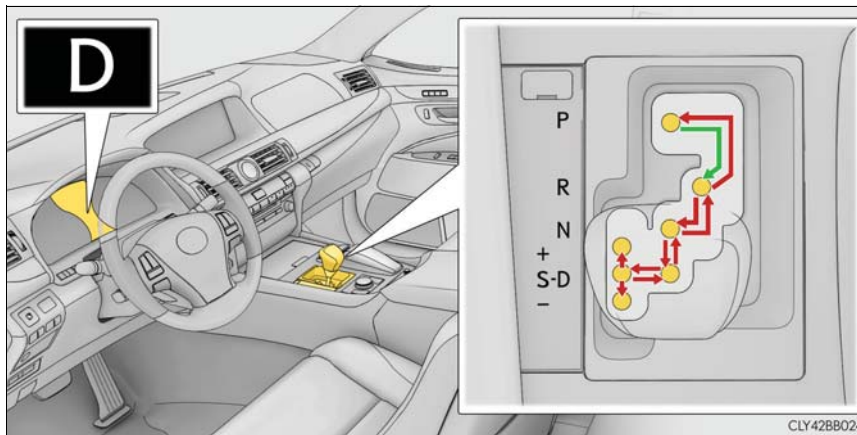
Turns EV drive mode on/off

When EV drive mode is turned on, the EV drive mode indicator will come on. Pressing the switch when in EV drive mode will return the vehicle to normal driving (using the gasoline engine and electric motor [traction motor]).

EV drive mode's possible driving distance ranges from a few hundred meters to approximately 0.6 mile (1 km). Driving is possible at speeds of less than approximately 25 mph (40 km/h).

Hybrid Transmission

Shifting the shift lever



- While the power switch is in ON mode, move the shift lever with the brake pedal depressed.
- When shifting the shift lever between P and D, make sure that the vehicle is completely stopped.

■ Shift position purpose

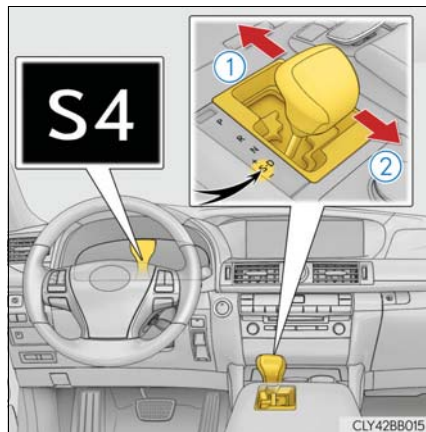
Shift position	Purpose and condition
P	Parking the vehicle/starting the hybrid system
R	Reversing
N	Condition in which the power is not transmitted
D	Normal driving ^{*1}
S	S mode driving ^{*2}

^{*1}: To improve fuel efficiency and reduce noises, set the shift lever in D for normal driving.

^{*2}: By selecting shift ranges using S mode, you can control accelerating forces and engine braking forces.

■ Selecting shift ranges in S mode

To enter S mode, shift the shift lever to the S position. The shift range can be selected by the shift lever.



① Upshifting

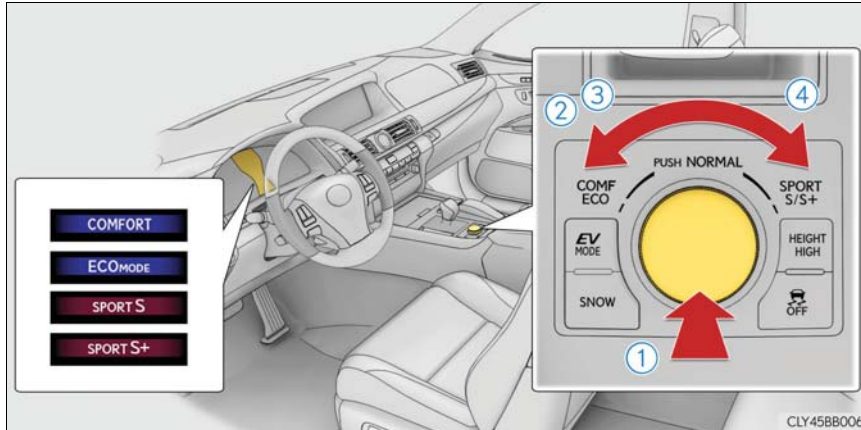
② Downshifting

The selected shift range, from S1 to S8, will be displayed in the meter.

The initial shift range in S mode is automatically set to S4, S5, S6 or S7 according to vehicle speed.

Driving Mode Select Switch

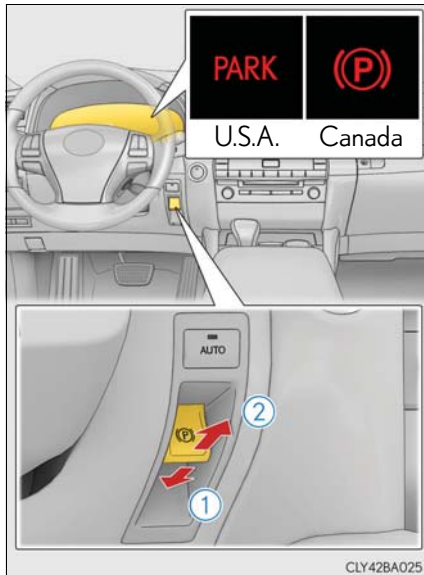
The driving modes can be selected to suit driving condition.



- ① Normal mode
For normal driving.
Press the switch to change the driving mode to normal mode when not in normal mode.
- ② Comfort mode
By controlling the suspension, riding comfort is further enhanced. Suitable for city driving.
When not in comfort mode and the driving mode select switch is turned to the left, the "COMFORT" indicator comes on in the multi-information display.
- ③ Eco drive mode
Use Eco drive mode to help achieve low fuel consumption during trips that involve frequent accelerating.
When in comfort mode and the driving mode select switch is turned to the left, the "ECO MODE" indicator comes on in the multi-information display.
- ④ Sport mode
 - SPORT S mode
Assists acceleration response by controlling the hybrid system. Suitable for when precise handling is desirable, for example when driving on mountain roads.
When not in SPORT S mode and the driving mode select switch is turned to the right, the "SPORT S" indicator comes on in the multi-information display, and the hybrid system Indicator changes to the tachometer.
 - SPORT S+ mode
Helps to ensure steering performance and driving stability by simultaneously controlling the steering and suspension in addition to the hybrid system. Suitable for sporty driving.
When in SPORT S mode and the driving mode select switch is turned to the right, the "SPORT S+" indicator comes on in the multi-information display.

Parking Brake

Manual mode



- ① Sets the parking brake
The parking brake indicator light will come on.
- ② Releases the parking brake
Operate the parking brake switch while depressing the brake pedal. Make sure that the parking brake indicator light goes off.

Automatic mode

The parking brake is set or released automatically according to shift lever operation.



- Turns automatic mode on/off
When automatic mode is turned on, it operates in the following manner:
- When the shift lever is moved into P, the parking brake will be set.
 - When the shift lever is moved out of P, the parking brake will be released.
- Operate the shift lever with the brake pedal depressed.

Brake Hold

The brake hold system keeps the brake applied when the shift lever is in D, S or N with the system on and the brake pedal has been depressed to stop the vehicle.



Turns the brake hold system on

The brake hold standby indicator (green) comes on. While the system is holding the brake, the brake hold operated indicator (yellow) comes on.

The system releases the brake when the accelerator pedal is depressed with the shift lever in D or S to allow smooth start off.

Multi-information Display

The multi-information display presents the driver with a variety of driving-related data.

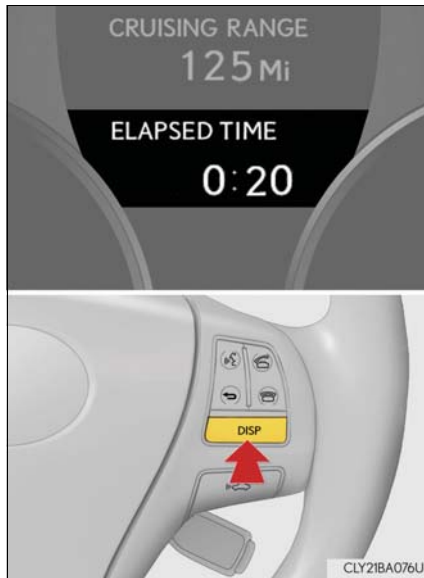
Display contents



- Trip information
 - Energy monitor
 - Driving range
 - Average fuel consumption
 - Current fuel consumption
 - Average fuel consumption after refueling
 - Distance after refueling
 - Elapsed time
 - Average vehicle speed
 - Tire inflation pressure (→P.62)
 - Customization
- Drive monitor
 - Displays either the average fuel consumption after refueling or the driving range
- Intuitive parking assist display*
- Dynamic radar cruise control with full-speed range display* (if equipped)
- LKA (Lane-Keeping Assist) display* (if equipped)
- Warning messages

*: Automatically displayed when the system is used. Display can be switched by pressing the "DISP" button.

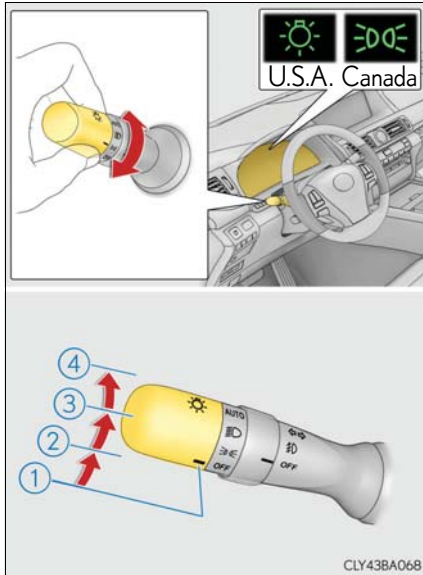
■ Switching the display of trip information





Items displayed can be switched by pressing the “DISP” button.

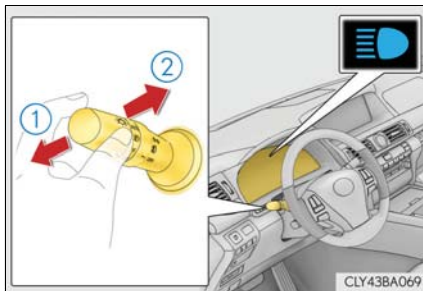
If a problem is detected in any of the vehicle's systems, a warning message is shown on the multi-information display.

Headlights



- ① OFF (U.S.A.) or 0 (Canada)
The daytime running lights turn on.
- ②  The side marker, tail, license plate, instrument panel and daytime running lights turn on.
- ③  The headlights, parking lights and all lights listed (except daytime running lights) above turn on.
- ④ AUTO The headlights, parking lights, daytime running lights and all the lights listed above turn on and off automatically.
(When the power switch is in ON mode.)

■ Turning on the high beam headlights



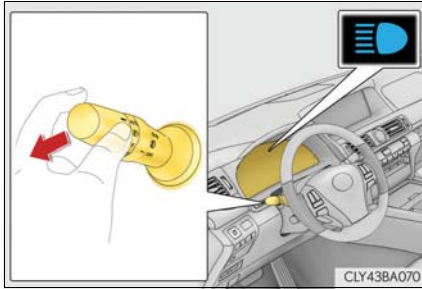
- ① With the headlights on, push the lever away from you to turn on the high beams.
Pull the lever toward you to the center position to turn the high beams off.
- ② Pull the lever toward you and release it to flash the high beams once.
You can flash the high beams with the headlights on or off.


■ AFS (Adaptive Front-lighting System)

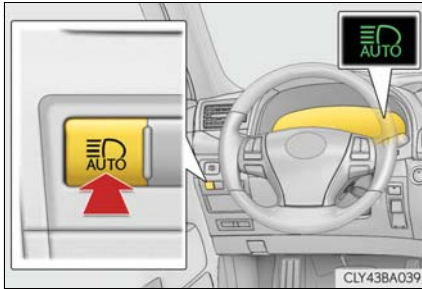
AFS (Adaptive Front-lighting System) secures excellent visibility at intersections and on curves by automatically adjusting the direction of the light axis of the headlights according to vehicle speed and the degree of the tire's angle as controlled by steering input.

Automatic High Beam

The Automatic High Beam uses an in-vehicle camera sensor to assess the brightness of streetlights, the lights of oncoming and preceding vehicles, etc., and automatically turns high beam on or off as necessary.



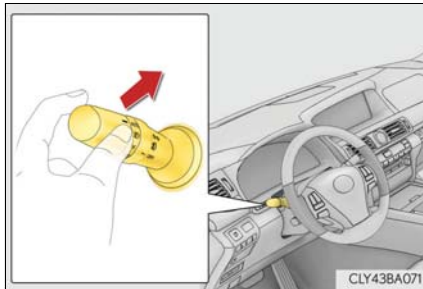
- 1 Push the lever away from you with the headlight switch in **AUTO** or  position.



- 2 Press the Automatic High Beam switch.
The Automatic High Beam indicator will come on when the headlights are turned on automatically to indicate that the system is active.

■ Turning the high beam on/off manually

● Switching to low beam



Pull the lever to original position.

The Automatic High Beam indicator will turn off.

Push the lever away from you to activate the Automatic High Beam system again.

● Switching to high beam



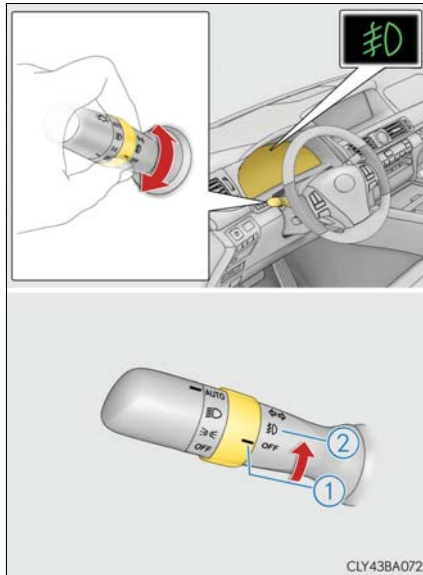
Press the Automatic High Beam switch.

The Automatic High Beam indicator will turn off and the high beam indicator will turn on.

Press the switch to activate the Automatic High Beam system again.

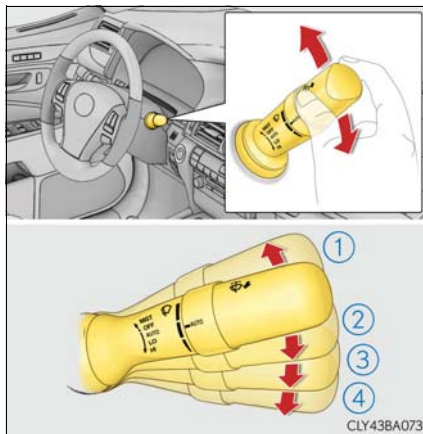
For conditions in which the Automatic High Beam automatically turns the high beams on or off, refer to the "Owner's Manual".

Fog Lights

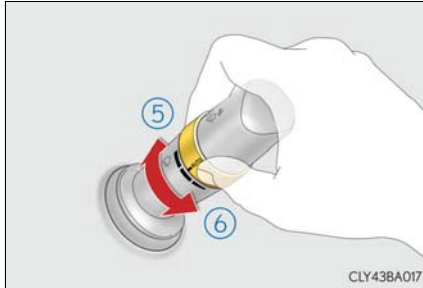


- ① OFF (U.S.A.) or ○ (Canada)
Turns the front fog lights off
- ② $\#D$ Turns the front fog lights on

Windshield Wipers and Washer



- ① MIST (U.S.A.) or \triangle (Canada)
Temporary operation
- ② AUTO Rain-sensing wiper operation
The wipers will operate automatically when the sensor detects falling rain. The system automatically adjusts wiper timing in accordance with rain volume and vehicle speed.
- ③ LO (U.S.A.) or \blacktriangledown (Canada)
Low speed wiper operation
- ④ HI (U.S.A.) or \blacktriangledown (Canada)
High speed wiper operation



When "AUTO" mode is selected, the sensor sensitivity can be adjusted by turning the switch ring.

⑤ Increases the sensitivity

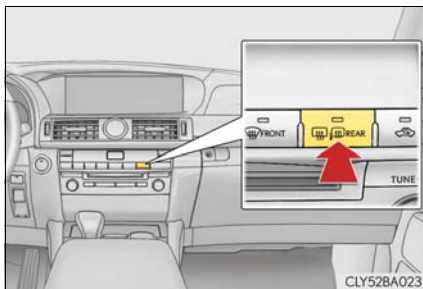
⑥ Decreases the sensitivity



⑦ Washer/wiper dual operation

Wipers will automatically operate a couple of times after the washer squirts.

Rear Window and Outside Rear View Mirror Defoggers

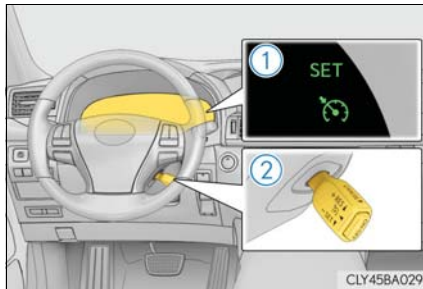


On/off

The defoggers will automatically turn off after approximately 15 minutes.

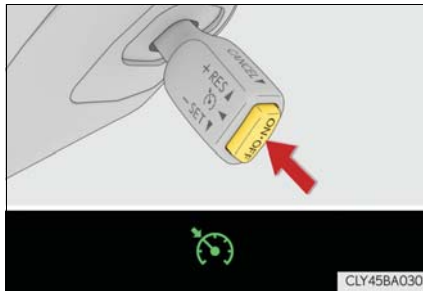
Cruise Control (if equipped)

Use the cruise control to maintain a set speed without depressing the accelerator pedal.

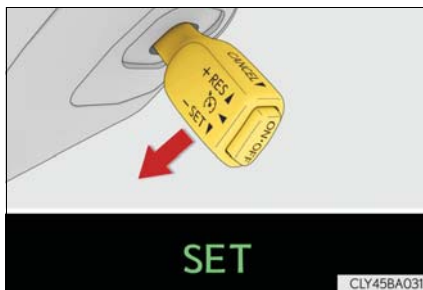


- ① Indicators
- ② Cruise control switch

Setting the vehicle speed

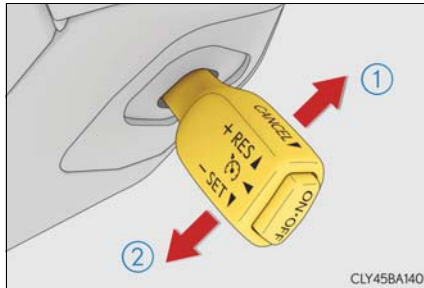


- 1 Press the "ON•OFF" button to activate the cruise control.
Cruise control indicator will come on.
Press the button again to deactivate the cruise control.



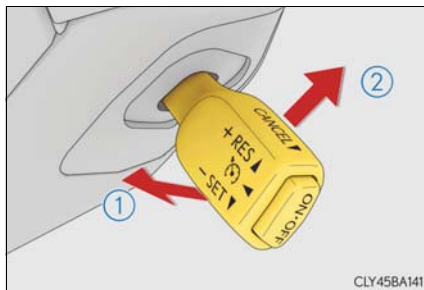
- 2 Accelerate or decelerate the vehicle to the desired speed, and push the lever down to set the speed.
"SET" indicator will come on.
The vehicle speed at the moment the lever is released becomes the set speed.

■ Adjusting the set speed



- ① Increases the speed
- ② Decreases the speed
Fine adjustment: Momentarily move the lever in the desired direction.
Large adjustment: Hold the lever in the desired direction.

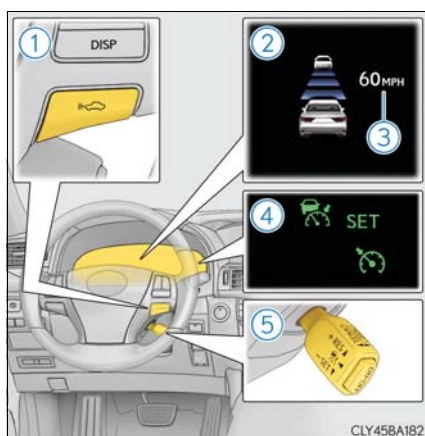
■ Canceling and resuming the constant speed control



- ① Pulling the lever toward you cancels the constant speed control.
The speed setting is also canceled when the brakes are applied.
- ② Pushing the lever up resumes the constant speed control.
Resuming is available when the vehicle speed is more than approximately 25 mph (40 km/h).

Dynamic Radar Cruise Control with Full-speed Range (if equipped)

Dynamic radar cruise control with full-speed range supplements conventional cruise control with a vehicle-to-vehicle distance control. In vehicle-to-vehicle distance control mode, the vehicle automatically accelerates, decelerates or stops in order to maintain a set following distance from vehicles ahead.



- ① Vehicle-to-vehicle distance button
- ② Display
- ③ Set speed
- ④ Indicators
- ⑤ Cruise control switch

■ Setting the vehicle speed (vehicle-to-vehicle distance control mode)

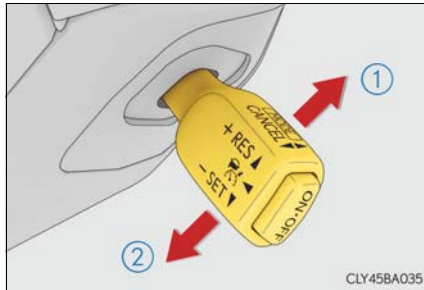


- 1 Press the "ON•OFF" button to activate the cruise control.
Radar cruise control indicator will come on and a message will be shown on the multi-information display.
Press the button again to deactivate the cruise control.



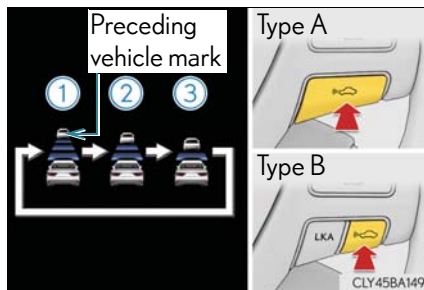
- 2 Accelerate or decelerate the vehicle to the desired speed, and push the lever down to set the speed.
"SET" indicator will be displayed.
The vehicle speed at the moment the lever is released becomes the set speed.

■ Adjusting the set speed



- ① Increases the speed
(Except when the vehicle has been stopped by system control in vehicle-to-vehicle distance control mode)
- ② Decreases the speed
Fine adjustment: Momentarily move the lever in the desired direction.
Large adjustment: Hold the lever in the desired direction.

■ Changing the vehicle-to-vehicle distance

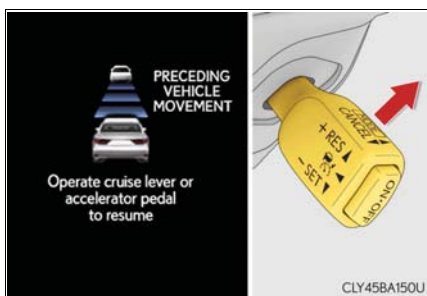


Pressing the button changes the vehicle-to-vehicle distance as follows:

- ① Long
 - ② Medium
 - ③ Short
- The vehicle-to-vehicle distance is set automatically to long mode when the power switch is turned to ON mode.
If a vehicle is running ahead of you, the preceding vehicle mark will also be displayed.

The vehicle-to-vehicle distance control mode maintains the preset cruising speed as long as no vehicle is detected ahead.

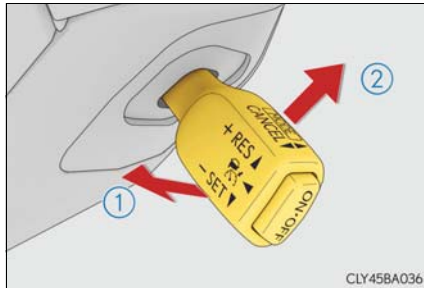
■ Resuming follow-up cruising when the vehicle has been stopped by system control



After the vehicle ahead of you starts off, push the lever up.

Your vehicle will also resume follow-up cruising if the accelerator pedal is depressed after the vehicle ahead of you starts off.

■ Canceling and resuming the speed control



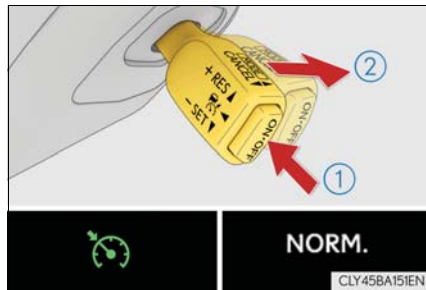
- ① Pulling the lever toward you cancels the cruise control.

The setting is also canceled when the brake pedal is depressed while driving. (When the vehicle has been stopped by system control, applying the brakes does not cancel the setting.)

- ② Pushing the lever up resumes the cruise control and returns vehicle speed to the set speed.

However, when a vehicle ahead is not detected in vehicle-to-vehicle distance control mode, cruise control does not resume when the actual vehicle speed is approximately 25 mph (40 km/h) or less. Also, when the vehicle is in constant speed control mode and the actual vehicle speed is approximately 25 mph (40 km/h) or less, cruise control does not resume as the set speed is cleared.

■ Selecting conventional constant speed control mode



- ① Press the "ON•OFF" button to activate the cruise control.

Radar cruise control indicator will come on and a message will be shown on the multi-information display.

Press the button again to deactivate the cruise control.

- ② Switch to constant speed control mode.

(Push the lever forward and hold for approximately 1 second.)

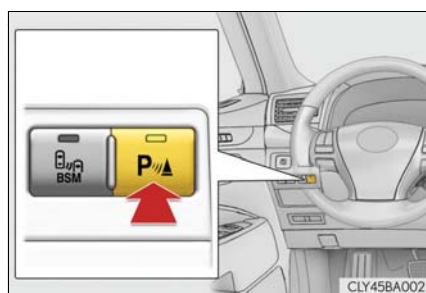
Cruise control indicator will come on and a message will be shown on the multi-information display.

When in constant speed control mode, to return to vehicle-to-vehicle distance control mode, push the lever forward again and hold for approximately 1 second.

■ Intuitive Parking Assist

The distance from your vehicle to nearby obstacles when parallel parking or maneuvering into a garage is measured by the sensors and communicated via the multi-information display, Remote Touch screen and a buzzer. Always check the surrounding area when using this system.

■ Turning the system on and off



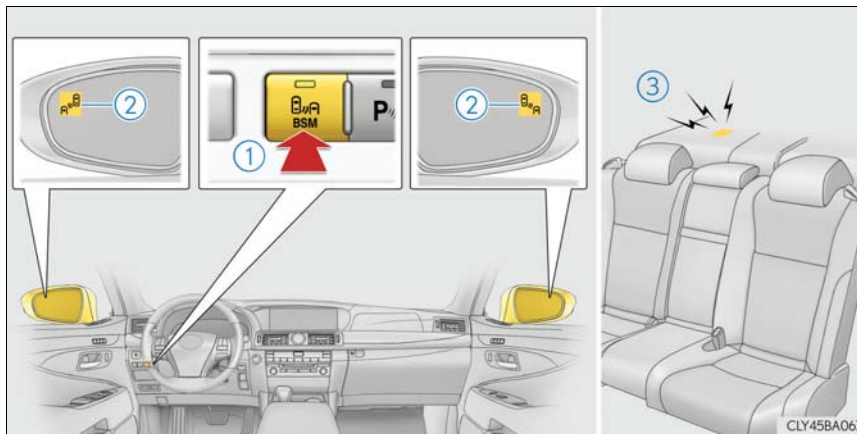
Turns the intuitive parking assist on/off

When on, the indicator light comes on and the buzzer sounds to inform the driver that the system is operational.

BSM (Blind Spot Monitor) (if equipped)

The Blind Spot Monitor is a system that has 2 functions;

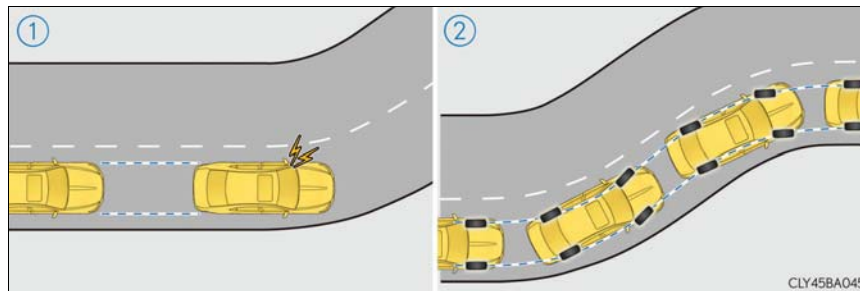
- The Blind Spot Monitor function
Assists the driver in making the decision when changing lanes
- The Rear Cross Traffic Alert function
Assists the driver when backing up



- ① BSM main switch
Pressing the switch turns the system on or off. When the switch is set to on, the switch's indicator illuminates and the buzzer sounds. Common switch for Blind Spot Monitor function and Rear Cross Traffic Alert function.
- ② Outside rear view mirror indicator
Blind Spot Monitor function:
When a vehicle is detected in the blind spot, the outside rear view mirror indicator comes on while the turn signal lever is not operated and the outside rear view mirror indicator flashes while the turn signal lever is operated.
Rear Cross Traffic Alert function:
When a vehicle approaching from the right or left rear of the vehicle is detected, the outside rear view mirror indicators flash.
- ③ Rear Cross Traffic Alert buzzer (Rear Cross Traffic Alert function only)
When a vehicle approaching from the right or left rear of the vehicle is detected, a buzzer sounds from behind the rear seat.

LKA (Lane-Keeping Assist) (if equipped)

While driving on a freeway or motor highway that has lane markers and no sharp curves, the system recognizes the lanes using a camera located above the inside rear view mirror as a sensor to assist the driver with staying in the lane. The LKA system has two functions.



① Lane departure warning function

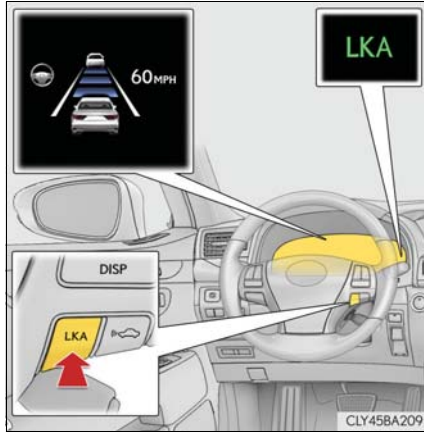
If the system judges that the vehicle may deviate from its lane, it alerts the driver using rapid beeping, indications on the multi-information display, and a sensory warning* given via the steering wheel.

*: A slight steering torque is applied for a short period of time in the direction of the center of the lane.

② Lane keeping assist function

- This function will be active when the vehicle-to-vehicle distance control mode of the dynamic radar cruise control with full-speed range is set with vehicle speed above approximately 45 mph (72 km/h) and while the lane departure warning function is active.
- When the lane keeping assist function is active, a slight steering torque will be applied, to help the driver maintain the vehicle inside the lane.

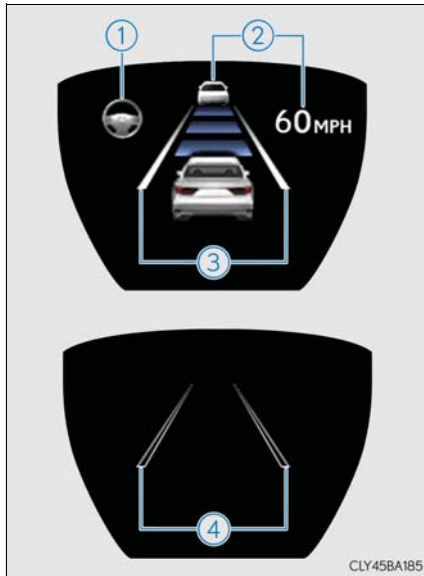
■ Turning the LKA system on



Press the LKA switch to activate the system.
LKA indicator will come on.
Press the switch again to turn the LKA system off.
The LKA system will revert to off each time the power switch is turned to ON mode.

■ Indication on the multi-information display

When the LKA system is on, the lane line display and steering wheel display are shown.



- ① Lane keeping assist function operation indication
Steering wheel displayed:
Indicates that the function is currently operating.
Steering wheel not displayed:
Indicates that the function is not currently operating.
- ② Dynamic radar cruise control with full-speed range display
- ③ Lane departure warning function indication (when the inside of the white line is white):
The function has recognized lane markers.
- ④ Lane departure warning function indication (when the inside of the white line is black):
A lane marker is not recognized by the system, or the LKA system functions are temporarily canceled.

Lexus Night View (if equipped)

Lexus night view is a system which assists with nighttime driving. Near-infrared rays are irradiated forward and an image converted from the irradiated light is shown on the Remote Touch screen. The image shows pedestrians, obstacles, and road conditions ahead of the vehicle, which are difficult to see at nighttime with the naked eye.

■ Displaying the Lexus night view

- 1 Turn the power switch to ON mode.
- 2 Turn the headlights on.



Press the Lexus night view switch.

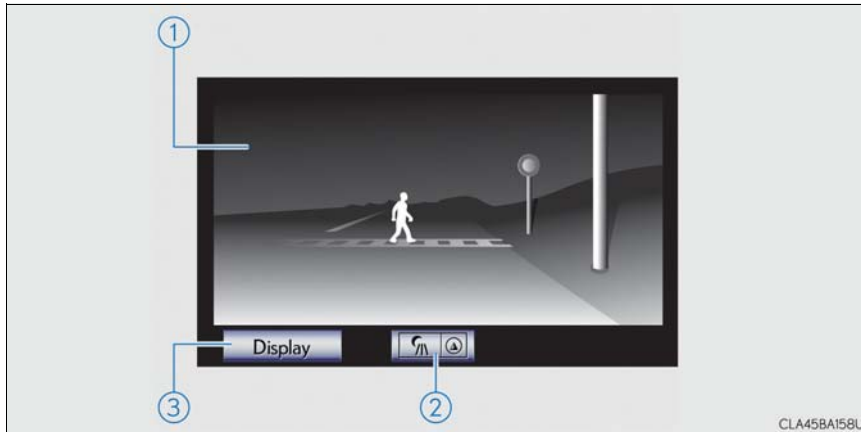
The Lexus night view is displayed on the Remote Touch screen.

To return the screen to its previous state, press the switch again.

When the light sensor determines that it is currently night time from the brightness of the surrounding area, the Lexus night view can be operated by pressing the Lexus night view switch while the headlights are on.

■ The Lexus night view display

● When displaying on the "Main Display"



- ① Lexus night view screen
- ② "Side Display" switching button
- ③ Brightness adjustment button

● When displaying on the "Side Display"



When another screen is displayed on the "Main Display" while the Lexus night view is being shown on the "Main Display", the Lexus night view screen will be displayed on the "Side Display".

- ① Lexus night view screen
- ② "Main Display" switching button

Tire Pressure Warning System

Your vehicle is equipped with a tire pressure warning system that uses tire pressure warning valves and transmitters to detect low tire inflation pressure before serious problems arise.

■ The tire inflation pressure display function



The tire pressure detected by the tire pressure warning system can be displayed on the multi-information display.

■ Initializing the tire pressure warning system



Press and hold the tire pressure warning reset switch until the tire pressure warning light blinks slowly 3 times.